

Emissions Test Results

The following tables summarize the emissions results of testing Optimus biofuel conversion system. Composite results were rounded to the same number of significant figures as the applicable emissions standards for the test vehicle. This is standard practice for HDIU testing.

All gaseous emissions and PM emissions during alternative fuel operation were the same or lower than the diesel baseline runs.

Table 1: Emissions Results in Units of g/bhp-hr

	Emission	Diesel Fuel Composite	Biofuel Composite
Composite Totals	CO ₂	505.6	478.1
	CO	2.3	1.9
	THC	0.10	0.09
	NO _x	3.29	2.97
	PM	0.17	0.10

Emissions Test Conclusion

All test objectives were met. Results demonstrate that when the vehicle was operated with the Vector running on 100% biofuel, both gaseous and PM emissions were significantly lower than the baseline diesel configuration.